PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 030048095WO		FOR FURTHER ACTION	see Notific (Form PC below.	cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5			
International application No. PCT/US03/26403		International filing date (day/mon 20 AUGUST 2003 (20.08.2003)		(Earliest) Priority Date (day/month/year)			
Applicant THE BOEING COMPANY							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report.							
Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.							
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:							
	contained in the international application in written form. filed together with the international application in computer readable form.						
	• •	his Authority in written form.	_				
	furnished subsequently to the						
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
the statement that the information recorded in computer readable form is identical to the written sequence list been furnished.							
2.	Certain claims were found	d unsearchable (See Box I).					
3.	Unity of invention is lacki	ng (See Box II).					
4. With regard to the title,							
	the text is approved as sub-	·					
	the text has been established	d by this Authority to read as follo	ws:				
5. With regard to the abstract,							
	the text is approved as sub-	mitted by the applicant.					
	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.						
6. The figure of the drawings to be published with the abstract is Figure No. 5							
	as suggested by the applica	ant.		None of the figures			
	because the applicant faile	d to suggest a figure.					
	because this figure better of	characterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/26403

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

Methods and systems for detecting icing or incipient icing conditions external to a vehicle (100) are disclosed. An apparatus in accordance with one embodiment of the invention includes a temperature sensor (120) configured to direct a first signal corresponding to a temperature of an airstream, and a water content sensor (130) configured to direct a second signal corresponding to a water content of the airstream. A processing unit (140) can receive the first and second signals and, based on at least the first and second signals, provide an indication (150) when at least the first and second signals taken together correspond to an at least incipient icing condition. Accordingly, the system can be installed on aircraft to provide notice to the crew of incipient or existing icing conditions.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/26403

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : G08B 21/00, 19/02; G01W 1/00 US CL : 340/962, 945, 580, 581; 73/170.26, 170.17 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 340/962, 945, 580, 581; 73/170.26, 170.17						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
C. DOC	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.			
Y	US 5,874,672 A (GERARDI et al) 23 February 1999, col. 5, lines 19-29; col. 6, lines 39-50; and col. 14, lines 50-52.					
Y	US 6,140,942 A (BRAGG et al) 31 October 2000, col. 1, lines 52-60; col. 3, lines 5-18.					
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Further	r documents are listed in the continuation of Box C.	See patent family annex:				
	pecial categories of cited documents:	"T" later document published after the in	ternational filing date or			
"A" documen	it defining the general state of the art which is not considered to	priority date and not in conflict with understand the principle or theory u	the application but cited to			
_	pplication or patent published on or after the international filing	considered novel or cannot be consi-	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
	it which may throw doubts on priority claim(s) or which is cited ish the publication date of another citation or other special reason fied)	"Y" document of particular relevance; the considered to involve an inventive a combined with one or more other su	tep when the document is ch documents, such			
"O" documen	it referring to an oral disclosure, use, exhibition or other means	combination being obvious to a period. "&" document member of the same paten				
priority	it published prior to the international filing date but later than the		· · · · · · · · · · · · · · · · · · ·			
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report			
	004 (17.08.2004)	UG SEP /JUA	- 			
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Continuation of B. FIELDS SEARCHED Item 3:

EAST

Search term: detecting icing, aircraft, temperature sensor, water content sensor, pressure sensor, indicator, display.

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